ОРГАНИЗАЦИЯ ОБЪЕДИНЕННЫХ НАЦИЙ **S**



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ПИСЬМО ГЕНЕРАЛЬНОГО СЕКРЕТАРЯ ОТ 11 ИЮНЯ 1999 ГОДА НА ИМЯ ПРЕДСЕДАТЕЛЯ СОВЕТА БЕЗОПАСНОСТИ

Имею честь сообщить Вам, а через Вас - членам Совета Безопасности, что в соответствии с пунктом 8(a)(ii) резолюции 986 (1995) Совета Безопасности от 14 апреля 1995 года правительство Ирака представило мне свой план закупки и распределения товаров гуманитарного назначения на новый период, указанный в пункте 1 резолюции 1242 (1999) от 21 мая 1999 года. Как было сегодня сообщено правительству Ирака, я утвердил этот план при том понимании, что его осуществление будет регламентироваться положениями резолюций 986 (1995) и 1242 (1999) и Меморандума о взаимопонимании, заключенного 20 мая 1996 года между Секретариатом Организации Объединенных Наций и правительством Ирака (S/1996/356), и происходить с соблюдением процедур, которых придерживается Комитет Совета Безопасности, учрежденный резолюцией 661 (1990).

Комитету Совета Безопасности будет представлена копия перечня товаров и предметов, который прилагается к плану распределения. Этот перечень был внимательно изучен экспертами Специальной комиссии Организации Объединенных Наций, которые пришли к выводу о том, что на основе ограниченной информации, приводимой в приложениях, каких-либо запрещенных товаров им обнаружить не удалось. Они будут держать этот вопрос в поле зрения и при поступлении новой информации представят дополнительную оценку.

План распределения и письмо, в котором сообщается о моем согласии с планом, прилагаются.

Кофи А. АННАН

Приложение I

[Подлинный текст на английском языке]

Письмо Директора-исполнителя Управления Программы по Ираку от 11 июня 1999 года на имя Постоянного представителя Ирака при Организации Объединенных Наций

От имени Генерального секретаря имею честь подтвердить получение препровожденного письмом Временного Поверенного в делах Постоянного представительства Ирака при Организации Объединенных Наций от 2 июня 1999 года на имя Генерального секретаря плана распределения, представленного правительством Вашей страны на новый период, указанный в пункте 1 резолюции 1242 (1999) Совета Безопасности от 21 мая 1999 года, и хотел бы информировать Вас о том, что я был уполномочен Генеральным секретарем сообщить в этой связи следующее.

Резолюции Совета Безопасности 986 (1995) от 14 апреля 1995 года и 1242 (1999) требуют, чтобы на основе плана, представленного Генеральному секретарю и утвержденного им, правительство Ирака гарантировало справедливое распределение лекарств, предметов медицинского назначения, продуктов питания и материалов и поставок на основные гражданские потребности ("товары гуманитарного назначения"), экспортируемых в Ирак на условиях, которые определены в этих резолюциях. В Меморандуме о взаимопонимании, заключенном 20 мая 1996 года между Секретариатом Организации Объединенных Наций и правительством Ирака (S/1996/356), предусматривается, что правительство Ирака готовит план распределения, подробно описывающий процедуры, которых должны придерживаться компетентные иракские власти в целях обеспечения справедливого распределения предметов гуманитарного назначения, и представляет его Генеральному секретарю на утверждение. Как указывается в этой связи в Меморандуме, если Генеральный секретарь сочтет, что этот план надлежащим образом обеспечивает справедливое распределение товаров гуманитарного назначения среди иракского населения на всей территории страны, то он сообщит об этом правительству Ирака.

В сложившихся обстоятельствах - с точки зрения как способности Ирака экспортировать нефть, так и вероятности колебания цен на нефть - достижение целевого показателя в отношении суммы поступлений в соответствии с пунктом 2 резолюции 1242 (1999) может и не представиться возможным. В связи с этим отмечается, что при подготовке плана распределения в него пришлось внести коррективы с учетом, в частности, приоритетности сектора продовольствия и питания и сектора здравоохранения, а также межсекторальной взаимодополняемости.

Если, согласно оценкам, будет существовать вероятность получения поступлений на сумму, превышающую сумму целевого показателя, указанную в пункте 2 резолюции 1242 (1999), то в преддверии рассмотрения этого вопроса Советом Безопасности в соответствии с пунктом 14 резолюции 1242 (1999) Генеральный секретарь проведет консультации с правительством Ирака относительно использования дополнительных поступлений и, при необходимости, представит рекомендации Совету Безопасности.

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Имею честь сообщить через Вас правительству Ирака о том, что, рассмотрев план распределения, Генеральный секретарь пришел к выводу о том, что в случае надлежащего осуществления плана он должен удовлетворять требованиям справедливого распределения товаров гуманитарного назначения среди иракского населения на всей территории страны. Поэтому план утверждается с учетом нижеследующих соображений.

С учетом наблюдавшихся в ходе предыдущих этапов трудностей с достижением предусмотренного в планах распределения общего показателя в отношении поступлений показатели ассигнований по секторам, предусмотренные в таблице 1 плана, следует постоянно держать в поле зрения с учетом пункта 2 резолюции 1153 (1998) Совета Безопасности, в котором предусматривается, что средства должны в первоочередном порядке выделяться сектору продовольствия и питания и сектору здравоохранения. В частности, с учетом наблюдающегося в Ираке неудовлетворительного положения с питанием и необходимости обеспечения "полной продовольственной корзины" на ежемесячной основе, а также последствий наблюдающейся в настоящее время засухи существенно необходимо постоянно держать в поле зрения вопрос об уровне финансирования сектора продовольствия.

В соответствии с пунктом 9 резолюции 1242 (1999) Генеральному секретарю в консультации с правительством Ирака необходимо представить Совету к 30 июня 1999 года подробный перечень запчастей и оборудования, которые необходимы для достижения цели, изложенной в пункте 1 резолюции 1175 (1998). Генеральный секретарь принимает к сведению предложение, изложенное в пункте 12 плана, и рассмотрит этот вопрос без ущерба для решения, которое Совет Безопасности, возможно, пожелает принять по вопросу об объеме финансирования и о любых других ассигнованиях на запчасти и оборудование.

Мне также хотелось бы информировать Вас о том, что согласие Генерального секретаря с планом не означает одобрения ни бюджетных ассигнований на оборудование и предметы снабжения для банковских нужд, о которых говорится в пункте 67 плана, ни конкретных предметов, перечисленных в приложении IX к плану. В этой связи мне хотелось бы напомнить о соображениях по вопросу о поставках для банковских нужд, переданных Постоянному представителю Ирака в моем письме от 11 декабря 1998 года, в котором ему было сообщено об утверждении Генеральным секретарем плана распределения для этапа V (S/1998/1158, приложение I).

План распределения утверждается при том условии, что его осуществление будет регламентироваться соответствующими положениями резолюций Совета Безопасности 986 (1995) и 1242 (1999) и Меморандума о взаимопонимании и что в случае несоответствия тех или иных положений плана резолюциям и Меморандуму о взаимопонимании положения последних документов будут иметь преобладающую силу.

В плане распределения содержится систематизированный перечень товаров и предметов снабжения, которые будут закупаться и импортироваться в соответствии с планом. Утверждение этого плана не затрагивает мер, которые могут быть приняты Комитетом Совета Безопасности в отношении представляемых ему на рассмотрение в соответствии с его процедурами заявок на экспорт конкретных предметов, указанных в перечне.

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Объединенная группа, учрежденная резолюцией 1051 (1996), продолжит рассмотрение систематизированного перечня с учетом дополнительной информации, которая может быть получена, для выявления тех предметов, которые ввиду возможности их двойного использования - в гражданских и запрещенных целях - подлежат контролю согласно резолюции 687 (1991) от 3 апреля 1991 года и другим соответствующим резолюциям.

Поправки, при необходимости вносимые в план, должны отвечать требованиям, изложенным в пункте 5 резолюции 1153 (1998). Признано, что в некоторых секторах из-за сложного характера деятельности и разнообразия закупаемых товаров на данном этапе в план невозможно включить всю информацию, требуемую пунктом 5 этой резолюции. Поэтому правительству Ирака, а также учреждениям и программам Организации Объединенных Наций следует принять все необходимые меры для обеспечения того, чтобы в заявках, представляемых Секретариату Организации Объединенных Наций, в соответствии с пунктом 5 резолюции 1153 (1998) указывалась приоритетность и взаимодополняемость этих товаров.

И наконец, утверждение плана распределения, представленного правительством Ирака, не обязательно означает одобрение всех содержащихся в плане сведений или заявлений и не наносит ущерба каким бы то ни было рекомендациям, вытекающим из дополнительного доклада Генерального секретаря (S/1998/90), который был одобрен Советом Безопасности в его резолюции 1153 (1998).

Бенон В. СЕВАН
Директор-исполнитель

Приложение II

[Подлинный текст на арабском языке]

Письмо Временного Поверенного в делах Постоянного представительства Ирака при Организации Объединенных Наций от 2 июня 1999 года на имя Генерального секретаря

По поручению моего правительства имею честь препроводить Вам настоящим план закупок и распределения, представленный правительством Республики Ирак в соответствии с Меморандумом о взаимопонимании от 20 мая 1996 года и резолюцией 1242 (1990) Совета Безопасности. Мое правительство было бы признательно за его скорейшее утверждение. Подробные перечни товаров будут препровождены в Вашу Канцелярию на следующей неделе.

Рокан Хама АЛЬ-АНБУГИ
Временный поверенный в делах

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Добавление

ПЛАН РАСПРЕДЕЛЕНИЯ

Представлен правительством Ирака Генеральному секретарю Организации Объединенных Наций в соответствии с Меморандумом о взаимопонимании от 20 мая 1996 года и резолюцией 1242 (1999) Совета Безопасности

EXECUTIVE SUMMARY

1. The present Distribution Plan is prepared as referred to in section-2 of the Memorandum of Understanding signed on 20 May 1996 between the Government of Iraq and the UN Secretariat (referred to herein after as the "MOU") for the purchase and distribution of food, medicine, medical supplies and equipment and other supplies necessary for the essential civilian needs to help alleviate the hardships suffered by the people of Iraq. The plan constitutes an important element in the implementation of SCR 1242 (1999) and the Secretary-General's report of 18 May 1999 (S/1999/573). It includes a classified list of supplies and goods to be purchased and imported by Iraq for this purpose.

2. For the three northern Iraqi governorates, namely Dohuk, Erbil and Suleimaniyah, the procurement and distribution of essential civilian humanitarian supplies as well as rehabilitation activities will be the responsibility of the United Nations Inter-Agency Humanitarian Programme, (hereinafter "the Programme",) in accordance with paragraph 20 of the MOU and paragraphs 3 and 6 of its Annex I. In accordance with paragraph 2 of Annex I of the MOU, the humanitarian requirements of the three northern governorates in the Distribution Plan, (hereinafter "the Plan") were identified by the Programme, taking into consideration all relevant circumstances in the three northern governorates and in the rest of the country, in order to ensure equitable distribution. These requirements were discussed with the Government of Iraq and incorporated in the Plan.

3. A total amount of US$ 2.704 billion shall be available to meet the humanitarian needs of the people of Iraq. The Plan allocates US$ 915 million for food sector and US$ 207 million for food supporting and hadndling supplies sub-sector. The general food basket contains calories and protein, especially for animal protein (as dried whole milk and/or cheese) which will contribute 8.4% of total protein, and as reflected (in table bellow). The inclusion of weaning sercal for infants fills an important nutritional need.

General rations	Plan VI
Calories (Kcal)	2150
Protein-non-animal	46.5
Protein-animal	4.27
Total protein	50.77

Infants	Plan VI
Calories (Kcal)	696
Protein	19.7

Fortification of vegetable oil with Vitamin A will help reduce the proven public health problem of this deficiency. Fortification of salt with iodine will continue as before, to reduce the problem of Iodine efficiency disorders, known to be prevalent throughout Iraq.

The distribution of food will be carried out within the existing framework according to the ration system currently applied, which is described in the previous distribution plans.

The Plan allocates US$ 207 million for the Food sub-sector for spare parts and equipment, pursuant to the activities of storage and transportation of foodstuffs and grain milling as well as delivering them to consumers in conformity with the quantities of goods imported, in accordance with the MOU.

4. US$ 250 million are allocated to the Medical Services sector, 50% of which is for the import of medical supplies, equipment and required items for the rehabilitation of different equipment in Hospitals and Health Centers, While the other 50% is for the import of medicine. It should be noted that all Iraqi citizens, Arab and foreign residents have access to public health services. Medicine for chronic diseases will be the first priority among others. Spare parts will be purchased to repair service equipment, such as air-conditioning equipment and hospital elevators throughout the country. Subject to the provisions of the MOU relating to the three northern governorates, health commodities will reach the beneficiaries through hospitals and primary health care centers using the existing distribution system. The Plan allocates US $44 million for the three northern governorates, of which US $ 18 million is for medicines and US $ 26 million for the rehabilitation of the health infrastructure including the procurement of medical supplies and equipment..

US$ 6 million are allocated for supplemental nutrition support for pregnant and lactating mothers, by providing high protein biscuits, which will be distributed on a monthly basis to pregnant mothers in their last trimester, to lactating mothers for three months after birth, and malnourished children through Community Child Care Units/MOH in Iraq.
Micro-nutrients (Iron and multi-vitamins) will be distributed to pregnant and lactating mothers through MCH centers.
With roughly 50,000 births per month, the funds allocated for this distribution are sufficient to provide the additional caloric requirements for pregnant and lactating mothers.

5. The conditions of potable water and sanitation systems remain critical throughout Iraq. Rehabilitation requirements are estimated at over US $ 500 million. However, due to limited funds, the Plan allocates US$ 280 million, of which US$ 90 million is for Baghdad serving about 6 million people in the city and its surrounding districts. US$ 160 million to provided the rehabilitation of water and sanitation facilities in the remaining governorates, and US$ 30 million for the rehabilitation of water and sanitation facilities in the three northern governorates. Deterioration in this sector continues as referred to in the UN Secretary-General's report of 18 May 1999 (S/1999/573). The report pointed out that the situation requires greater attention in this sector, which has a serious impact on public health, environment and population, especially children, women and the elderly. Equipment will be imported to rehabilitate potable water and sanitation facilities in Baghdad and other governorates.

6. As a result of the destruction inflicted on the electricity sector and the lack of spare parts and equipment for maintenance, the situation has severely deteriorated resulting in harsh power cuts for all types of consumers. The power generation, transmission and distribution systems have all suffered from lack of maintenance and the report of the UN Secretary General of 19 Nov. 1998 (S/1998/1100) referred to this situation. The Distribution Plan/Phase III stated that the shortage of electric power has resulted in daily planned load shedding throughout Iraq and the deficit was 1600 MW in 1996; the maximum load was 5300 MW during July 1997 and it was 5600 MW during the summer of 1998. The impact of what appears to be a drought period starting with the winter of 1998 is going to compound this situation. Historical low water levels, adding at least another 300 MW deficit to the present deficit of 1700 MW already seriously affect hydro-electrical power generation. This situation will lead to even more frequent power cuts for all consumers including hospitals, water treatment and sewage plants, wheat mills, irrigation and drainage pump

stations, schools, universities, fuel stations and other services. One measure that would remedy the present situation is the immediate approval of a large number of contracts presently on hold. Other measures are under consideration of the Ministry of Industry. However, the impact of measures taken now would only be felt at least one year after coming into effect due to the long lead times required for electricity generation in a cost effective manner.

The amount required to rehabilitate this sector is very large. However, to address minimum requirements, this Plan allocates US$ 440 million for this sector. US$ 140 million is for the three northern governorates. The amount allocated would be used largely for enhancing power generation by completing the repairs required to the structures of the dams at Dokan and Derbandikhan and rehabilitation of their power generation units as well as the introduction of new generating capacity using fuel to be provided by GOI. The present drought conditions have seriously affected the electricity supply situation, which necessitates immediate action in this regard. Works on rehabilitation of the transmission and distribution networks are also expected to be undertaken.

7. The Agricultural sector continues to suffer from the continuous deterioration of basic infrastructure and supporting public services, as well as serious shortages of agricultural machinery and basic inputs. The situation is further aggravated by the severe drought during the winter cropping season of 1998-1999.

A 50-96 percent drop in rainfall during winter 98/99 has caused complete failure in germination of 70% of the rain-fed areas and low yields are anticipated in the remaining 30%. The irrigation sector was drastically affected, as the flows in the two main rivers are the lowest since 1930. This is compounded by the lowering of water tables leading to drying up of irrigation wells, there by further reducing available water for summer crop irrigation.

The adopted approach for the sector considered the interrelation of the various production factors as well as the emerged needs as a result of the drought.

The vital role of the Agricultural sector is enhancing the availability of locally produced food items, mainly animal protein, vegetables, fruits and other oil seed crops. The Plan intends to address the basic needs for veterinary infrastructure rehabilitation, and upgrading of the veterinary service capacity to respond to epidemic diseases. The plan also considered needed resources to sustain the GOI poultry programme. Expansion in fish production as well as the enhancement of dairy production have been addressed within the available meager resources.

The sector will receive US$274 million to respond to urgent needs. Of that amount, US$123 million is allocated to irrigation sector to address part of the water resources rehabilitation needs, and to partially secure needed

equipment and spare parts.

The balance of US$99 million is designated to agricultural production, including poultry production. A total of US$52 million has been allocated to the agricultural sector in the three northern governorates of Iraq. The Plan has focused on the enhancement of domestic food production in order to contribute towards improving the diet of the population as this concerns both quantity and quality, in particular micro-nutrients, vitamins and animal protein. The proposed activities cover the provision, of the basic inputs for vegetable, fruit and animal production. These include inputs needed for soil preparation, irrigation, fertilizer, plant protection chemicals, and drugs for the control of animal diseases.

Identified drought related input will be submitted later, in order to facilitate expeditious approval and funding as it is of high priority in this emergency situation.

8. Primary, Secondary and Higher Education sectors are in need of major rehabilitation work. The effects are clear on schools and other educational facilities; there are 4100 damaged school buildings. In addition to the increase in density of pupils in each classroom, there is a severe shortage of desks, where more than one pupil share one desk. There is also severe shortage of books, whereby there is an actual need for preparing 50 million books annually. Due to a lack of printing materials and papers, the printing facilities of the Ministry of Education have stopped. All schools suffer from severe shortages of laboratories, aid and training materials. This undermined teachers and student rehabilitation and training. Higher education and public education have been also affected by the shortage of books and materials required by scientific departments of Iraqi universities. The needs of higher education for laboratory equipment required for students in medicine, pharmacy, and agriculture will be provided. Other general needs, such as reference books, spare parts for laboratory equipment, photocopiers and educational supplies will be made available as stressed by the UN Secretary-Generals report of 18 May 1999 (S/1999/573). This sector will receive US$ 127 million, out of this amount US$ 57 million will be provided for primary education, and US$ 42 million for higher education. US$ 28 million is allocated for the three northern governorates to meet the necessary requirements of primary and secondary schools, as will as higher education.

9. The Settlement Rehabilitation Program in the three northern governorates is aimed at those who require immediate support to enable their permanent resettlement in their appropriate places, and assisting population in cities and towns to ensure their access to infrastructure and services. This is achieved/...

through the provision of consolidated packages of services in the areas of: a) rural village resettlement; b) rehabilitation of resettled villages; c) infrastructure and services rehabilitation in townships and urban areas; and d) basic assistance for resettlement of families. A total funding of US$ 54 million is allocated to this sector under the current Plan.

10. Landmines in the three northern Governorates continue to claim the lives of many people. An estimated 20% of the arable land of the region cannot be cultivated because of land mines. The implementation of humanitarian programs, including resettlement, are also being severely hampered by lack of access to significant areas. The program aims at clearing mines in areas close to rural communities, economic activities and resettlement towns. Training, mine awareness and establishment and expansion of prosthesis centers are also among the priority activities. The current Plan allocates US$ 9 million for the required activities in this sector.

11. The present condition of telecommunications and transportation throughout Iraq, including its three northern governorates, is extremely poor and requires immediate attention. A viable system of communications is integral to the life of the community and the successful implementation of the "Oil-for-Food" program, including distribution of food and medicines in a more effective manner, communication inputs, including telephone systems have been introduced, which are essential for information flow among service providers, for health education to communication and households, for coordination of sectors like food, agriculture, education, cultural, emergency health services, and environment. Due to the limited amount of funds, US$ 120 million have been allocated, of which US$ 19.6 million are allocated for the three northern governorates. The basic needs are reflected in the attachments.

12. In the oil sector, the needs and requirements should cover all the stages of production, such as the requirements of conducting and monitoring of oil deposits, wells reclamation and connections, maintenance, rehabilitation and operation of production and export systems. All these systems have been operating over the past years without the required maintenance, rehabilitation and compensation, although they are outdated and in bad need for that. It has been concluded that the upstream sector is in need of large funds to achieve these purposes. However, the actual need in this stage has been reduced to US$ 300 million, due to the limited funds available under the plan, and to provide the minimum and critical requirements. The responsibility of the oil

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sector includes another basic and vital aspect for the life of the Iraqi people, namely, the provision of energy and fuel to meet their humanitarian needs, and maintain their life in all its aspects, particularly the provision of liquid petroleum gas, kerosene, and fuel for power stations. This requires that oil refineries and liquid petroleum gas plants continue their production at high rates, as well as the provision of oil products and delivering them to end-users. The vital requirements, for this sub-sector, have been determined at US$ 300 million; due to the limited amount available. This makes the total requirements of the oil sector US$ 600 million.

13. The humanitarian needs of the population of Iraq are enormous due to the cumulative deterioration of living and environmental conditions during the years of embargo. The humanitarian situation and the goods to be imported for all sectors have been reviewed in accordance with paragraphs 4 and 11 of resolution 986 and by the report prepared by the UN Secretary-General. The report clearly pointed out that the various sectors mentioned in the above paragraphs still suffer from shortage of basic needs despite the implementation of the distribution plan. There still remain needs for humanitarian supplies.

14. The Government of Iraq confirms its willingness to cooperate fully with the Program and to allow it to observe throughout the country the equitable distribution of humanitarian supplies imported under this distribution plan. To this end the UN personnel working in the Program will enjoy unrestricted movement in connection with the performance of their functions and the possibility of receiving what facilitates their functions in accordance with paragraph 44 of the MOU.

Table 1

* Allocations for sectors activities covered by the Distribution Plan

Sector/Activity	Allocations in US $ m (countrywide)	Allocations for Dihouk, Erbil, Suleimaniyeh (US$m)
SECTOR		
— **Food Soap/detergent — supporting supplies of equipment/spare parts for food supply, goods transportation/trucks/ rehabilitation of railway network/ standri zation and quality control labs.	915 207 —— 1122	138
Medicines and Health Rehabilition ****	250	44
Water and Sanitation	280	30
Electricity	440	140
Agriculture	274	52
Primary, Secondary and Higher Education	127	28
Settlement Rehabilitaion	54	54
Mines Related Activities	9	9
Nutrition ******	18	18
Support for food, nutrition and health Secto: 'ransport/ Teleco. munications/	120	19.6
Banking requirements	10	
SUB TOTAL	*** 2.704	532.6
Oil	***** 300	
Grand Total	3.004	

* The estimated allocations by sector constitute indicative figures to give an order of magnitude of intended use of resources. The actual amounts will depend on market prices at the time of procurement.

** The general food ration will be in calories and protein; especially for animal protein (as dried whole milk and/or cheese) which will contribute to 8.4% of total protein. The inclusion of milk and weaning food for infants fill an important nutritional need by adding 2 boxes of baby milk and 2 boxes of baby food and 1/2 kilo of milk/cheese for adult per capita.

*** A reduction in the funding from US$ 2.704 billion net, it does not follow that all reductions should be proportionate, i.e food sector and medical services are a priority.

**** US $ 6 million allocated for supplemental nutrition support for pregnant and lactating mothers and malnourished children.

***** Up to $(300) million to be added to this allocation, when oil revenues generated during Phase VI is likely to exceed the total of $(3.004) above. This additional allocation will be used to implement complementary works and projects to utilize existing unused facilities especially already drilled unconnected oil wells, this will increase oil revenues closer to the $(5.2) billion.

****** US$ 18million for nutrition (three northern governorates) comprises a support for Agro-Industry, supplementary nutrition programme by WFP and growth monitoring and therapeutic feeding by UNICEF. Of this total , US$ 800,000 will be allocated to target chronic malnutrition while continuing to monitor acute malnutrition.

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PART ONE
FOOD SECTOR

Introduction

15. The Government of Iraq established special rationing system to ensure the distribution of foodstuffs to all Iraqi citizens, Arabs and foreigners residing in Iraq. The system was launched on 1 September 1990 after the imposition of the embargo on Iraq. It is presently applied throughout Iraq. Foodstuffs imported under the MOU are distributed by the Government of Iraq throughout the country except in the three northern governorates, where the Program distributes the food ration to the population on behalf of the Government of Iraq.

The main features of the system

16. The main partners of the system are:

- Ministry of Trade / Government of Iraq
- The consumers (citizens of Iraq, Arabs and foreign residents).
- Retail ration agents (private sector).

17. The Ministry of Trade undertakes, on a monthly basis, the distribution of foodstuffs to the retail ration agents in their designated areas, and to ensure their delivery to the household registered with the concerned agents. There are more than 45864 ration agents distributing the food monthly in the 15 governorates and over 10,000 ration agents in the three northern governorates. Each ration card has a number of coupons that correspond to the basic food items involved in the system. The coupons are collected from the households monthly by the retail ration agents.. The ration card covers one calendar year.

18. Every Iraqi citizen, Arab and foreign residing in Iraq is entitled by law to obtain "Rationing card " from the Registration Centers. These centers establish lists of families by name, age and number of consumers in each household and send the list to the computer center. The computer center sends one copy of each list to the retail ration agent and another copy of the list to food distribution centers.

19. The monthly individual ration under the current system is the same for each individual with regard to commodities, quantity and the related nominal fees. Households are well informed through public and private mass media, on a monthly basis, of their entitlements and on the time of distribution in various distribution centers.

20. The follow-up mechanism to ensure effective and proper implementation of the Rationing System is done through:

- The concerned monitoring offices of the Ministry of Trade.
- Elected People's councils .
- Citizens

21. The beneficiaries of the system have the right to submit to the Ministry of Trade complaints against the retail ration agent in their designated areas, if they discover that the agent is violating the relevant regulations. Accordingly, the Ministry of Trade circulates a questionnaire among all households registered with the said agent. If the findings show that 51% of the participating households in the process condemn the agent, his agency license will be canceled, and a new retail agent will be immediately appointed.

22. The Mechanism of obtaining the rationing card, the required documents and complaints are as contained in the previous distribution plan, paragraphs (19, 20, 21, 22, 23).

Monitoring of Distribution

23. The observation of distribution and determining the adequacy of the materials in accordance with the distribution plan will be carried out according to paragraphs 37-38 of the MOU.

Plan for Food Distribution

24. The same mechanism of food distribution stipulated in paragraph 22 of the Distribution Plan of Phase III shall be followed under this plan.

Arrangements for procurement and Storage

25. Arrangements for procurement, storage and the transport of food supplies under this plan shall remain as stated in paragraph 24 of the Distribution Plan of Phase III.

Location of the independent Inspection Agents

26. The locations of the independent inspectors will continue according to the current manner under paragraph 25 of the Distribution Plan of Phase III.

Warehouses

27. Specific warehouses shall be designated to store the foodstuffs imported by the Government of Iraq under the plan. The locations of these warehouses will be within the main storage complexes of the Ministry of Trade throughout the governorates of Iraq.

28. In accordance with paragraph 5 of Annex I of the MOU humanitarian supplies destined for distribution in the three northern Governorates shall be delivered by the Program to warehouseS within these Governorates. Warehouses in Mosul and Kirkuk, to which supplies may also be delivered, either by the Governments of Iraq or the Program, will be under the management of the Program.

Maintenance, Repairs, Rehabilitation and Replacement of equipment required on the basis of priorities for the handling, storage, supply and distribution of food

29. The Plan is based on the actual need of the Food sector according to activities related to the storage and transportation of foodstuffs, as well as grain milling and delivering to the consumers, in accordance with the ration system and in conformity with the volume of the imported foodstuffs. The following has been taken into consideration in preparing this requirement:
   - Repairing and rehabilitating the apparatuses and equipment of grain silos in a manner that ensures the speedy transportation and receiving of imported grains and supplying them to mills as quickly as required.
   - Ensuring the minimum needs of mills to keep them operating, and to ensure the production of the best quality of flour, packing and delivering it to the citizens on time.

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- Ensuring new means of transportation to enhance the capacity available in the country for the transportation of grains, flour and foodstuffs, as well as their delivery to the citizens according to determined timings. For example, the provision of trucks and repair of railways.
- Ensuring the minimum needs for cold storage and other warehouses for the foodstuffs, as per their usage, the transportation of the stored goods, keeping them according to the requirements of their storage, and facilitating their delivery to the citizens on time.

This Plan allocates US$ 207 million to ensure the procurement of the current needs for this sector, as described in Annex-1/trade.

Table 2
Iraqi population by governorate covered by the Plan

Governorate	Population	Adults*	Children under one
Ninevah	2216015	2150167	65848
Tameem	808051	786348	21703
Baghdad	5873902	5703669	170233
Salah Al-Din	919571	892904	26667
Diala	1149748	1118011	31737
Anbar	1139140	1102487	36653
Babylon	1270036	1235387	34649
Kerbala	665724	646626	19098
Najaf	836770	809635	27135
Qadisiya	812121	787995	24126
Muthana	490289	474208	16081
Basrah	1759899	1700657	59242
Maysan	734046	703315	30731
Thi-Qar	1347357	1301250	46107
Wasit	837194	813634	23560
Dohuk	740848	722602	18246
Erbil	1147754	1124362	23392
Suleimaniyah	1472040	1448969	23071
Total	24220505	23522226	698279

* THE ESTIMATED POPULATION NUMBER WAS CALCULATED ON THE BASIS OF THE ACTUAL DISTRIBUTION FIGURES OF DP V.TAKING INTO CONSIDERATION THE NATURAL MONTHLY GROWTH OF 0.0032.

Table 3

Consolidated Plan and Categorized List of Foodstuffs, Soaps and Detergents (PHASE 6)

Items (1)	Monthly ration per capita (kg) (2)	Total monthly requirements (ton) (3)	Total needs for six months (ton) (4)	Required value for six months (US$) (5)
1. Food, wheat flour*	9.000	257000	1542000	260,000,000
Rice	2.500	60000	360000	120,000,000
Sugar	2.000	48000	288000	82,000,000
Tea	0.150	3550	21300	42,000,000
Cooking oil	1.000	24000	144000	117,000,000
Milk powder	3.600	2520	15120	43,000,000
Dried whole milk and/or Cheese	0.500	11800	70800	123,000,000
Fortified weaning cereal	0.800	560	3360	7,000,000
Pulses	1.000	24000	144000	47,000,000
Iodized Salt	0.150	3600	21600	3,000,000
Subtotal				844,000,000
2.Soaps and detergents soap	0.250	6100	36600	34,000,000
Detergents	0.350	8500	51000	37,000,000
Total				71,000,000
Grand total				915,000 ,000

Note: these figures represent indicative quantities and values subject to actual distribution and market conditions .

1- wheat is to be processed and distributed to beneficiaries as wheat flour; . the conversion rate used is 10 kg of wheat to 8.5 kg of wheat flour.

2- quantities are calculated on the basis of population figures listed in (table2) . the following allowances to retail agents are added to ensure the accurate ration weight is given to customers : 2% for wheat flour , rice, sugar, cooking oil , pulses, salt, and detergents: 0.5% for tea.
No additional quantities are given to the agents for milk powder and soap, as these items are distributed by tins and pieces respectively.

3- children under one year of age receive only milk powder, fortified weaning cereal, soap and detergents.

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4- Amount allocated for food is sufficient to cover the RFB due to expected lower food prices.

PART TWO

Plan for Purchase and Distribution of Medicine and Medical Equipment and Supplies

30. In drafting its health policy, the Government of Iraq has followed the guidelines published by the WHO Programme on Essential Drugs.
    - The provision of essential and cost-effective medicines to meet the needs of the whole population of Iraq.
    - To ensure equitable distribution.
    - To ensure the high quality and proper use of medicine.

31. Before August 1990, the rate of expenditure of the Ministry of Health was more than US$ 500 million for the purchase of medicine and medical supplies. There were also recycled stocks which were sufficient for more than one year in addition to the known annual funds of investment for infrastructure. Therefore, the amount allocated by the previous distribution plans does not meet health service needs. The shortage of the medical supplies makes health services scientifically incomplete. The provision of medicine without necessary medical equipment and diagnostic facilities does not permit the provision of essential health services. Thus, there is no full benefit from medicine and medical supplies without medical apparatuses, equipment and other support systems necessary for the rehabilitation of hospitals.

32. As regards medicine and medical supplies, the situation is exceptionally serious. Most of the patients still receive partial treatment. The local production of drugs is still substantially reduced. In 1989, the need for medicine was met with the Ministry of Health spending more than US$ 500 million to purchase imported medicine and medical appliances. Additionally, there were reserve stocks which permitted the continuous flow of medicine.

    WHO assistance might be required to address emerging health needs that may result from the recent draught situation. The distribution plan will respond to these needs as and when needed. Emphasis can therefore be made on the provision of drugs for emerging health problems.

33. The plan is formulated to meet the needs for medicine with top priority for medicines for chronic diseases. The urgent priorities include other medicines, medical supplies, medical equipment, the local production of drugs and

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syringes and spare parts as well as other equipment, spare parts and materials for the rehabilitation of service equipment in hospitals and health centers such as air conditioning, elevators etc... From the US$ 250 million allocated, 50% will be used for medicines and medical supplies and 50% for the rehabilitation of hospitals and health centers out of US$250 million, which US$20 million is allocated to the Rou materials equipment, spear parts for samara drugs industry (SDI). However, as reported by UN Agencies and other observers, the situation of hospitals and health centers is still of much concern as they are in need for big investments which could not be made available. The report of UN Secretary-General of 18 May 1999 (S/1999/573) clearly pointed out the current situation of infrastructure of hospitals and health centers which are in need of very large funds. In addition the harsh economic and social circumstances and the deterioration of the living conditions resulted in an increased mortality and morbidity including malnutrition. It is estimated that 600,000 children under five years of age are malnourished. Each of them will be receiving 0.1 Kg/day of (Therapeutic milk) for a total of 25 days during a six-month period, the total needs will be 1500 tons (600,00x25x0.1). However, taking into consideration the accumulated stock balance from phases IV and V and the shelf life of the commodity, the total amount need to be purchased under the current phase will be 500 tons. The total cost for six months will be US$ 1.0 million.

34. The Plan aims at the provision of high quality and low-cost medicine which meet the needs of the whole population of Iraq. Up to date medical equipment, such as CAT Scans and MRI, medical and surgical appliances, diagnosis equipment and vaccines are required. Among other priorities that require an urgent attention within the framework of the Plan, are the provision of pesticides, insecticides, for domestic use the provision of field vehicles to ensure communication within the health network and vehicles to transport medicine and medical equipment. It should be stressed that the public health sector cannot be improved by the provision of medicine and medical appliances only. The infrastructure of hospitals, medical centers and warehouses is in need of rehabilitation through the provision of spare parts and replacement equipment in addition to physical repairs. Furthermore, the provisions of 200 ambulances for the health services are basic and urgently needed to improve public health services.

35. The health situation in the three northern governorates has not improved significantly. The primary health care centers do not provide comprehensive services for mothers and children in particular. There are similar needs of medicines, medical appliances, basic equipment of diagnosis and modern

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equipment for treatment. Therefore, the basic components of the health plan for these governorates include the provision of medicine, repairing and maintenance of the basic infrastructure and the provision of spare parts. US$ 18 million have been allocated for medicine and medical supplies, and US$ (26) million for the basic health infrastructures.

The general condition of the health infrastructure and distribution systems at district level in the three northern governorates still need support. Equipment for water quality control has begun to arrive in the north. However the need for more modern diagnostic and treatment equipment, and for rehabilitation of basic infrastructure remains. Therefore the basic components of the health plan for these three governorates include the continuing provision of basic medicines and medical supplies and medical equipment.

36. **Sub-Sectors**

Given the nature of the health care sector, priorities for individual items cannot be set without discriminating between patients. Purchase orders for essential drugs, medical supplies, equipment and support items will however be issued in accordance with the general priorities emerging in the health sector and in consideration of projected stock shortages. Special priority items or changes in priority or complementarily will be communicated through the Permanent Representative.

a. **Medicine and Medical supplies:** The objective pursued under the Plan is to make available needed medicine and medical supplies to health care providers throughout Iraq. The Ministry of Health will give focus to those items in the annexes, which are of general use in order to ensure a continuous flow of essential items to health facilities. However, for better efficiency and cost savings, US$ 25 million will be allocated to rehabilitate the local production capacity for disposable syringes and drugs which require import of spare parts, raw materials and new equipment for the plants.

b. **Rehabilitation of Health Facilities:** It is estimated that approximately 50% of the medical equipment is obsolete and/or un-repairable there by requiring replacement. However, given the limitations of funds only critical equipment for medical care and diagnostic purposes will be procured. The import of spare parts is to effect repair of equipment that can still be used. The overall objective of these measures is to improve the quality of care and hence add to the benefit expected from increased availability of medicine and medical supplies. Additionally health infrastructure rehabilitation is to improve general working conditions and provide better and acceptable

hospital conditions for patients. This would be achieved through the import of spare parts and some equipment for hospital engineering such as air-conditioning, heating and elevators. In addition fork lifts, trucks and spare parts will be imported to facilitate distributions of supplies. Items listed for logistical, information processing and communications support is considered critical for an efficient distribution and inventory management system.

c. **Quality Control Laboratories:** Given the importance of this sub-sector allocations will be made to provide medical equipment to facilitate timely quality control testing as well as to allow for effecting all tests required by Iraqi regulations.

37. In accordance with the MOU and the distribution plan, in the three northern governorates, the Program will be responsible for the distribution of medical supplies and modal equipment as well as for infrastructure rehabilitation. The Program shall ensure that the needs determined by health sector are compatible with the basic needs of these governorates.

Plan Components

38. The components of the plan composed of the estimation of needs, the distribution, procedures for regulation and criteria for importation and storage will remain as contained in the first distribution plan, paragraph 43.

39. In accordance with paragraph 39 of the MOU, the Government of Iraq shall provide the Program with detailed information about the delivery of appliances and equipment to their locations in order to facilitate and ensure monitoring of their use. The Program will conduct the tasks provided for in paragraph 8 of annex-1 of the MOU.

Table-5

Criteria for distribution of Ambulances *

Serial no.	Governorates	Number of ambulances
1.	Nineveh	14
2.	Tameem	6
3.	Baghdad	60
4.	Salah Al-Din	8
5.	Diala	8
6.	Anbar	10
7.	Babylon	8
8.	Kerbala	6
9.	Najaf	6
10.	Qadissiyiah	6
11.	Muthana	6
12.	Basrah	16
13.	Misan	8
14.	Thi-Qar	8
15.	Wassit	6
16.	Dohuk	6
17.	Erbil	8
18.	Suleimaniyah	10
Total		200

*** Distribution: One ambulance / 100.000 population.**

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Part Three

PLAN OF EQUIPMENT PURCHASE FOR WATER AND SANITATION SECTOR

40. Deterioration in this sector has manifested itself seriously in the decrease in quantities of potable water and in inadequate sanitation for the population, both of which have contributed to sharp increases in the incidence of water-borne diseases in the whole country .

With the drastic deterioration in this sector during the past seven years , a survey recently undertaken by UNICEF revealed that the water coverage has gone down to an average of 41% in all rural areas. On the other hand , the per capita share of water has gone down to 218 liters / day in Baghdad, 138 liters /day in other urban areas and 91 liters / day in served rural areas.

This deterioration is related to the poor functioning of most of the water treatment plants, lack of spare parts and equipment, the poor status of the water distribution network, and electrical power cuts of up to 10 hours per day. Water quality results, reported by MOH and WHO, have shown a high contamination percentage of water samples. On the other hand and while the turbidity of water reaching the population should not exceed 1 National Turbidity Unit (NTU) as set by Iraqi standards , more than 70% of the water currently served is of a turbidity exceeding 10 NTU.

41. Despite the identification of the deteriorated situation of the sector of potable water and sanitation by the reports of UN agencies and the report of the UN Secretary-General of 18 May 1999 (S/1999/573), which clarified the actual situation of the projects and the minimum required needs for maintaining their operation, deterioration continues, due to the limited sums allocated for this sector in the previous distribution plans, the delay in the arrival of supplies, as well as the nature of these supplies which require no less than six months for their manufacture and shipment.

Sector Objective and Strategies:

The overall objectives of the Water and Sanitation Sector in Iraq are:

1. To provide sufficient quantities of potable water to the population.
2. Dispose, hygienically, of all kinds of waste (solid and liquid).

To meet the above objectives, three subsequent planning stages are to be followed:

Stage I: Rehabilitate the existing system to enhance efficiency and improved performance as well as quality. The esteemed cost of this phase is US$ 600 million.

Stage II: Fill in the gap to reach universal accessibility of service whereby the undeserved and the unserved will be covered.
Stage III: Increase the level of service to meet the normal growth of the population.
The purchase strategy followed in preparing the three subsequent distribution plans of SCR.

42. The production of potable water in 14 governorates is 1200 million cubic meter / year.
The design capacity of Baghdad is 850 million cubic meter / year. As the requirements determined in the previous distribution plans, have not arrived in Iraq yet, the current estimated capacity of these facilities is 30 % less than their design capacity.
The water system in center / south Iraq is composed of 218 water treatment plant, 1191 compact water unit, 51 boosting station and thousands of kilometers of water supply pipes. In the north the system is composed of 21 water treatment plants, 640 boreholes and 140 various other systems. However, most of these water supply systems are working at less than 30% efficiency.
Breaks and leaks of the water network are decreasing water pressure, as a result.

43. In sanitation, the situation is even worse. None of the 13 sewage treatment plants in the country is functioning properly, and raw sewage is disposed directly into rivers and causing contamination.
The sewage collection, and rainfall collection systems which are composed of 250 vertical sewage pumping stations and more than 1.000 sewage submersible pumping station are all malfunctioning and in desperate shape, because of the deteriorating status of the network, and the lack of pumps, spares and other supplies. Other areas where septic tanks and cesspools are utilized for sewage disposal are also facing enormous problems due to the high water table and the breakdown of the fleet of cesspool emptiers. Flooded septic tanks are flooding residential areas and causing contamination.

44. The current situation necessitates much attention to this sector, due to its negative effects on public health, environment and citizens, particularly children and women. This requires the allocation of US$ 280 million in the Plan to meet the urgent humanitarian needs in this sector according to the details contained in annexes 1 and 2 / water and sanitation, including US$ 90 million to Baghdad and US$ 160 million to the districts surrounding Baghdad and other 14 governarates, and US$ 30 million will be allocated to the three

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northern governorates.

45. The spare parts and equipment required for this sector are described in annexes 1-8 / water and sanitation.

The proposed DP has some changes in the purchase policy. Priority continues to be given to the purchase of water purification chemicals and some of the specific urgent required supplies in specific water treatment plants not only for Baghdad Municipality but also to the General Establishment for Water and Sewerage.

There will be a focus on improving water services to under-served or unserved rural population by the purchase of 300 compact water treatment plants. More attention is being given to sanitation by the purchase of sewage pumps, cesspool eemptiers, sewers jetting units, sewers cleaning equipment and garbage collectors. As a second priority, focus will be given to the purchase of supplies to water treatment plants (pumps, circuit, breakers, starters, motors) and also supplies for incomplete water treatment plant meant to serve unsaved population and whose civil works are 60-90-% completed. Also, focus will be given to the purchase of some ductile and UPVC pipes for the water supply network. There will also be focus on water quality control through the purchase of required supplies. The water tankers, which are included in DP-VI, should be used to face needs incurred by the current drought situation.

On a third priority basis, water tankers to provide services to unserved areas and some support vehicles (trailers and loaders) will be purchased.

An amount of up to US$ 30 million is allocated to the three northern governorates for the water and sanitation sector, where again the prevailing situation is very similar to that pertaining throughout Iraq. The pattern of deterioration has not yet been arrested. The adverse effects on public health and the environment and especially on women and children continue to be very much in evidence.

In urban areas the apparent ready access to water and sanitation systems tends to conceal the fact that the quality of potable water is highly variable and very dependent on a reliable and continuous electricity supply. The latter ensures that pressures remain sufficient to avoid drawing polluted water back into the main supply pipes. In addition many of the pumps are well beyond their useful working life, with the result that the supply of water to households is by no means guaranteed even where systems are nominally in place. For rural areas, recent surveys indicate that water supply coverage is under 50%, rather less than had originally been thought. Access to sanitary latrines is much less at only 16%.

A particular problem in this sector is the widespread deterioration of the

vehicle sanitation fleet, which is used for regular removal of both liquid and solid wastes. The much-reduced capacity of this fleet is compromising both the health and environmental situations, which will become even worse over the coming summer unless corrective action is taken before then. Computers that are ordered as part of DP-VI should be used to computerize the management of supplies in the major warehouses in order to alleviate some of the present bottlenecks in the process of distribution of supplies in the Water and Sanitation sector.

The acquisition of more vehicles and repair cf the existing fleet is therefore identified as a top priority, to which the sum of US$5 million will be allocated. The next priority will be for rural water and sanitation for an amount of US$4 million, and thereafter US$10 million for urban sanitation and finally US$11 million for urban water supply.

46. In accordance with paragraph 40 of the MOU, the Government of Iraq shall provide the Program with detailed information about the delivery of supplies and equipment to their locations in order to facilitate the monitoring of their use and to make sure of this. The Program will conduct the tasks provided for in paragraph 8 of annex-1 of the MOU

PART FOUR

Plan of Supplies and Equipment for Electricity Sector

47. The inadequacy of electricity, due to the damage inflicted upon this vital sector and non-availability of spare parts and equipment for maintenance, is a serious problem throughout the whole of Iraq. This fact has been confirmed by UN reports and the report of the UN Secretary-General on the implementation of the distribution plan in November 1997, which referred to the shortage of electrical power and which has led to the adoption of a daily load shedding throughout Iraq. In July 1996, the shortage was 1600 MW. In 1997 the maximum summer load was 5300 MW and it was 5600 MW during 1998. The impact of what appears to be a drought period starting with the winter of 1998 is going to compound this situation. Historical low water levels, adding at least another 300 MW deficit to the present deficit of 1700 MW, already seriously affect hydro-electrical power generation. Thus, the shortage of electricity will further increase as demand is increasing while generation is falling. Annex-I/electricity shows a diagram of designed capacity, the maximum capacity available, the peak load and the shortage of power generation during July 1997. As a result of the unplanned surprise failures of some units, protection relays start operating to save the network from complete shutdown. This causes severe power cuts to all types of consumers including hospitals, water plants, sewage plants, wheat milling plants, irrigation and drainage pumping stations, schools and universities and other social services as reflected in the report of the UN Secretary-General of 19 Nov. 1998 (S/1998/1100).

48. To address urgent needs, a sum of US$ 440 million is allocated in this plan; the details of which are contained in annex-2/electricity and the annexes of the three northern governorates. The Plan concentrates on increasing generation, as there is a severe shortage of power, by installing new gas turbine generation units and carrying out repairs to some of the large thermal, gas turbine and hydro-electric power generation stations throughout Iraq. Part of the sum is also allocated to transmission, distribution and relay networks in different parts of Iraq.
It is proposed to install new gas turbine units alongside the existing Mulla Abdulla, Mussaib, Baiji, and other gas turbine power stations, at an estimated cost of US$ 100 million. These new units are expected to add around 200 MW of power to the grid depending on the weather conditions. A sum of US$ 60 million has been allocated for rehabilitation

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of the gas turbine generating units at Khor Al-Zubair, Najef, Daura and maintenance of other gas turbine power stations. The gas turbine generating units will be rehabilitated and this is expected to add 70 MW to the national grid. In the thermal generating plants of Baiji, Mussaib, Daura, Baghdad south and other power stations are plan for rehabilitation on a turn-key project basis, possibly with the original equipment manufacturers, with technical service, costs estimated are around US$ 100 million. With this rehabilitation, the generating units are expected to add 160 MW to the grid. US$ 35 millions are allocated for maintenance and repairs to the hydro-generation units at Qadissia and Saddam power plants and the new hydro power plants in Al-Adhaim and Badosh. These are for urgently required repairs to ensure the system remains operational, but an increase in generation is not anticipated. Although the transmission and distribution networks are in need of rehabilitation, with the limited available funds, a sum of US$ 20 million has been allocated for the distribution network and US$ 15 million for the transmission network. Also to start with construction of power plants in Yousifiya, Al-Shemal, Al-Anbar, and extension of Nassiriya.
The above mentioned figures could be varied according to the urgency of the system requirements at the time of order. The ministry of Industry is fully aware that the combined total of these priority projects exceeds what is allocated for the sector. However, it should be stressed that the above figures are indicative for planning purposes and show the scale of resources which are required to implement the above-mentioned projects.

49. For the three northern governorates where the dilapidated condition of electricity mirrors that of the rest of Iraq, the highest priority remains to complete the urgent work needed to address the critical and dangerous civil structure of the Dokan and Derbandikhan dams which supply power to the north and irrigation water to the southern part of the country. There is also an urgent need to pursue the repair work on the hydro generation facilities in Dokan and Derbandikhan. The present drought conditions have seriously affected the electricity supply situation, which necessitates immediate action in this regard. At the same time the urgent rehabilitation of the run-down transmission and distribution network will also continue. Finally a significant share of resources will be allocated to follow up investment on new generation based on the feasibility study approved under phase four and expected to be completed by August. To deal with these and other priorities and amount of US$ 140 million has been allocated under this phase.

PART FIVE

PLAN OF PROCUREMENT AND DISTRIBUTION FOR THE AGRICULTURAL SECTOR

INTRODUCTION

50. The agricultural sector continues to play a leading role in providing a substantial portion of the population's nutrition needs. Inspite of the various constraints resulting from the long sanctions, which in turn brought a total halt to the systematic development of the sector, it is compelled to continue to provide the population with the supplementary food requirements.

The sector's cumulative and growing requirement is beyond the meager resources available through the Oil-for-Food Programme. Consequently, the plan strategies are still oriented towards halting as far as possible, the sector's deterioration, and increasing the sector's contribution to food availability, giving due consideration to the additional imposed constraints resulting from the season's severe drought.

Agricultural production involves many complex and interrelated biological processes. This dictates that all interventions have to be addressed in a well integrated manner, in order to achieve the targeted goals. Provision of the needed basic inputs will strengthen the sector, and improve the availability of agricultural products at current or even lower prices.

The overall objective must be to address the problem of the supply of these urgent needs, in order to stimulate domestic production of food items, thus offering a local available supplement for the food basket.

ACTIVITIES ENVISAGE BY SUBSECTOR

ENHANCED DOMESTIC FOOD PRODUCTION

A. 51 *Production of field crops , vegetables and fruits*

51-1 . Agricultural production in Iraq is highly mechanized even at the small farmer level and almost one half of the area under crop production lies within the irrigated sector. The overall crop production requirements include proper soil preparation, good quality seeds, and harvesting with minimum losses. Any attempt aiming at maintaining or increasing the level of the crop productivity therefore should address all those factors.

Failure to adequately respond to each of these inter-related activities will seriously affect the achievement of the eventual crop production level. It is therefore essential, that appropriate inputs should be available for each activity in a timely manner. Indeed, timeliness is vital to the success of each activity. The times frame often being restricted to a mere day or two, if the resulting yields are not to be lowered.

51-2. Prior to the imposition of sanctions, it was estimated that the total number of agricultural tractors accounted to more than 40,000, working on the 4 million hectares of arable land. This represents very approximately, one tractor for 100 hectares under cultivation. However, currently a large number of agricultural machinery have surpassed their useful life expectation of 15 years. Agricultural production is therefore seriously affected by this situation. It is of paramount importance to continue addressing the issue of gradual replacement of the entire tractors, combine harvesters, and other agricultural equipment and implements.

51-3. In partial response to the urgent need for remedial measures in this regard, the plan includes the proposed acquisition of 1500 tractors of different types. It is estimated that this quantity will enable adequate and timely soil preparation, seeding, weed control and fertilizer application for an area comprising approximately 218,000 hectares which represents 5.5 % of the total arable area (see Annex AGRI.-1A).

In order to overhaul some of the tractors already available in the country, the plan also includes the provision of spare parts for the different types of existing tractors. (see Annex AGRI-1 appendix 1).

The particular problem of soil preparation will be addressed through the proposed importation of 250 mounted moldboard ploughs together with spare parts amounting to 5% of the ploughs' value, as well as 1000 rotary tillers (see annex

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AGRI-1A).

Timely weed and pest control measures could only be undertaken if adequate numbers of agricultural sprayers are available. The plan therefore intends to provide 2,000 mounted and wheel-barrow sprayers together with 3,000 knapsack sprayers. (see annex AGRI-1A).

Due to the acute shortage of operational harvesting equipment, post harvest losses are continually increasing. In many cases, the farmer has been forced to revert to manual harvesting methods which invoke high losses. In other cases, the poor conditions of the mechanical harvesters also increases harvest losses. It has been estimated that overall post harvest losses may at present, have risen to 20 or 25 % of the potential crop yield. The plan proposes to import 200 combine harvesters together with 250 pcs, of walking repers , 100 corn huskers and 250 threshing machines, plus assorted spare parts, in attempt to improve mechanical harvesting (see annex AGR-1A-and appendix-2).

51-4. Table (1) shows the allocation of the planned tractors to the 15 Governorates. This allocation is based on the area under cultivation and the number of available and operational tractors in each governorate. A similar procedure will be followed at District level. At farm level, all the farmers are eligible to apply to be an end user of a tractor.

Rehabilitation of seed factories is also addressed in the DP. The plan includes spare parts and essential equipments needed for seed processing . (see annex AGR-1D)

The plan also considered an expansion in the storage capacity of 11 maize threshing and drying plants in the central and southern parts of the country. In this regard, the plan will import 20 silos for the storage of the maize produced during the rainy seasons, which coincide with the maize harvesting season (see annex AGR-1C) .

Table -1

Distribution Plan For Tractors – Harvesters – Irrigation Pumps – Sprayers

Governorate	Tractors	Combine Harvesters	Irrigation pumps (with engine)	Irrigation pumps (without engine)	Irrigation pumps (for deep well)	(100) lt Sprayers	(400-600) lt Sprayers	(14-20) lt Knap-Sack Sprayers
Ninevah	262	37	240	400	250	900	34	106
Tameem	181	23	240	400	250	264	56	167
Salahdeen	100	16	300	500	500	240	118	352
Dyala	120	16	300	500	150	312	116	351
Baghdad	70	11	165	275	100	117	74	220
Anbar	31	3	120	200	300	87	54	160
Babil	81	12	150	250	100	132	84	253
Kerbala	13	2	90	150	100	36	40	119
Najaf	109	10	150	250	150	120	74	220
Qadisya	126	16	270	450	150	204	68	206
Muthanna	40	3	120	200	100	60	14	34
Thi-Qar	73	10	180	300	150	111	36	109
Waist	194	26	300	500	100	261	136	411
Maysan	88	13	225	375	100	81	24	75
Basrah	12	2	150	250	500	75	72	217
Total	1500	200	3000	5000	3000	3000	1000	3000

NOTE: The distribution allocations are based on cropping pattern and cultivated area. Final distribution will be decided in proportion to the above table but determined by physical arrival of the consignments.

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Agricultural authorities will select beneficiaries on the basis of the following criteria: the farm size (area), the farmer's production index and the current state of old tractors on the farm. As the amount of mechanisation equipment will fall short of present overall needs, priority will be given to those end users who have not benefited from similar distributions, either prior to or after the imposition of sanctions.
As regards the distribution of tractor operated agricultural machinery, all Governorates will be entitled to submit their requirements according to farmer demand. Any justifiable request will then be duly considered within the limitations of total availability.
Table (1) shows the proposed distribution of combine harvesters, which will follow similar criteria and be based upon cropped areas, the farmer productionindex and the current state of the farmer's harvesting equipment.

52. Lack of good quality seed continues to be one of the major constraints to increase crop production. The imposition of the sanctions resulted in reducing the country's capacity to produce quality certified seeds as well as the capacity to maintain good quality seed processing activities.

Iraq faces a serious shortage of hybrid and certified seeds, especialsunflower and vegetable seeds, together with seeds and seedlings needed for the orchards. Prior to the imposition of sanctions, the country regularly imported both seeds and seedlings to satisfy the requirements. The embargo has interrupted supplies of these essential inputs and seriously lowered production as a consequence.

In order to redress the situation and to enhance the domestic production of fruit, vegetables and sunflower (for vegetable oil), the plan includes the proposed importation of hybrids, certified seeds and seedlings (see Annex AGRI-2 section A and B).
These inputs will be made available to all the farmers already involved in the production of such crops. The distribution plan to each governorate will be determined on the basis of the total area under each of these crops, with due consideration to both ecological and climatic factors.
The proposed quantities represent the following percentages of the annual requirements: 25% of vegetable seeds; 90% of sunflower seeds; 100% of rape seed, saflower and soya beans; and 80% of orchard seeds and seedlings.
The plan is proposing the establishment of 5 ha nursery for banana production . The nursery beside the production and distribution of the banana seedlings will act as an extension center to promote the small scale banana production in the center and south. For this, needed equipment and necessary input are included (Annex AGRI-2 section D).

53. Iraq previously was able to satisfy the greater part of all national fertilizer requirements through national production and manufacture. However, the factories suffered severe damages after 1991 and this has drastically reduced the possibility of self-sufficiency in the production of this input.

Shortage of fertiliser has led to large areas of crops being grown without application of any fertiliser. In other cases, application rates have been considerably reduced which significantly lowered the crop yields. The situation has been further aggravated by the practice of monoculture of cereals, as described above. This seriously reduces soil fertility which can only be redressed by increasing the application rates of fertilisers.

Under these circumstances, the Plan aims to maintain current levels of production (which are falling each year). It is proposed to import 33,000 metric tonnes of di-ammonium phosphate (DAP) which in fact corresponds to 80,000 metric tonnes of N.P.K (18.18.0). Such a procedure will reduce transportation costs and also help to overcome some of the logistical constraints, which could be encountered during the distribution process. In addition to the DAP, 385 metric tonnes of potassium , magnesium , zinc , ferous sulphate and foilar fertilizer are to be imported. (see annex AGRI-2 section C).

This total quantity of fertiliser has been proposed on the basis of satisfying the minimum plant nutrient requirements for approximately 150,000 hectares under both cereal and vegetable crop production.

The allocations accorded to each Governorate will be made with due consideration of the present availability of locally produced fertilisers, together with an assessment of the current state of the soil fertility.

All farmers will have equal accessibility to the planned inputs. They may submit their requests, which will then be evaluated according to the farm holding size, the type of the crop grown and the recommended fertiliser application rates for the particular crop.

54. Agricultural production in many parts of the country relies entirely upon irrigation, whereas in other areas, supplementary irrigation is used to complement rainfall supplies. There is an urgent need both to repair and replace many of the irrigation pumps. Many of the pump units which have been installed previously are powered by electric motors; the frequent electrical power failures which Iraq is currently facing indicate that even installed and operational units cannot always be used.

The plan proposes to redress this situation by acquiring 6,000 irrigation pumping sets of different capacities, in addition to 5,000 pumps (without engine) with 200 suitable generators most of which are to be powered by diesel or electricity, and spare parts for irrigation pumps of different types. In response to the prevailing

drought situation, 3000 pumps for deepwell as well as spare parts for such a pumps is included . 1500 sprinkler and drip irrigation units are also included. The overall objectives are to ensure the ability to irrigate an area between 50,000 and 100,000 hectares. Naturally, the area which will eventually be irrigated will depend upon total water requirements which in turn, depend upon both the crop under production and the local climatic characteristics during the crop growth cycle (see Annex AGRI IA and appendix 3).
The proposed distribution plan for field irrigation pumps to the Governorates is based upon the total area under irrigated crop production and previous provision of irrigation inputs (see Table 1). Distribution to the end user will depend on current needs of the farmer which will be evaluated once the applications are submitted.

55. Plant pests, diseases and weeds impose a serious threat to crop production. The capacity of the plant protection service to efficiently respond to the increasing threat of plant pest and diseases continue to be limited. Currently only 5 aerial spraying helicopters out of the fleet of 27 are operational. However, their total remaining flying hours never exceeded 300. In response to this serious shortage which is drastically effecting the plant protection operations, the plan included provision of six fixed wing agricultural spraying aircrafts with necessary spare parts, overhauling of 16 spraying helicopters, fast consuming spare parts for the aircraft, 8 fuel tankers with needed spare parts as well as 100 field vehicles for ground con' ·ol operations. (see Annex AGRI-1B).

With the objective of atleast maintaining present levels of production, a range of herbicides, insecticides, fungicides and other pesticides has been proposed. (see annex AGRI-3). These are needed for more effective control of the most serious and widespread weeds, diseases and pests.

The quantities of the herbicides requested, represents approximately 25% of the total estimated national crop protection requirements. Weed control will be undertaken either through ground or aerial spraying methods. The herbicides will be distributed to farmers according to levels of infestation and the area under crop production.
The pesticides will also be allocated to the Governorates according to infestation levels. The ultra-low volume (ULV) pesticides will be applied through either aerial or ground control application procedures which will be undertaken by the State Board of Plant Protection. Specific targets include sunnpest, local grass hoppers and date palm diseases.
Emulsion concentrate (EC) pesticides will be available to the farmers according to their needs. Upon receipt of specific farmer requests, the plant protection staff will determine the type, quantity and application dose required for each individual case. Additional agro-chemicals have been requested for the bee industry which is similarly affected by acute shortages of essential control inputs. Distribution and

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control procedures will be similar to those indicated above for the pesticides. (see Annex AGRI-3).

B- Animal Production

56. Live stock raising is practiced in most parts of Iraq. Prior to the imposition of the embargo, livestock production contributed between 30 and 40% in value to the total production of the agricultural sector. It also played a important role in providing a significant part of the nutritional requirements at household level.
Livestock production continues to constitute a major source of animal protein throughout the country but as a whole, the sub-sector has suffered greatly as a result of the sanctions and its contribution to the country's food security has been drastically reduced.
Previously, the per capita share of domestically produced animal protein was estimated to be 18 g/day. This may be comparwith the minimum per capita requirement recommended by the World Health Organisation (WHO) which is 28 g/day and the current domestic production which is estimated to be only 2 g/day.
Prior to the imposition of sanctions, the government bridges the gap through regular importation of red meat and poultry products. However, this is now severely restricted. As a consequence, a marked deterioration in the general health status of the population has been noted, particularly in children up to 15 years of age, who currently represent 45 % of the total population.

56.1 Animal production levels depend upon a number of inter-related factors of which some of the important ones are genetic stock, feed characteristics and animal health. Furthermore, even genetically improved livestock when managed through appropriate feed regimes, could still fail to reach optimum production levels, if attention is not paid to maintaining the animal's health.
The General Veterinary Directorate within the Ministry of Agriculture is responsible for all aspects of animal health. The total value of annual imports of animal health requirements amounted to some $ 30 million. This included acquisition of necessary vaccines, drugs and equipment, as well as necessary field transport means and cold chains facilities.
Previous activities included regular vaccination programmes against serious endemic diseases, together with campaigns for drenching, dipping and spraying animals against endo- and ecto-parasites as well as zoonotic diseases.
This budget has now been drastically reduced and under the oil-for-food programme, the value of inputs imported for animal health purposes has on no occasion exceeded US$ 5 million every 6 months. The field programme has also been considerably reduced, which is now resulting in serious and widespread outbreaks of a whole range of viral, bacterial, parasitic and tick borne diseases.

Both brucellosis and tuberculosis, which were previously under control, are now spreading widely. Currently, brucelloses is positive in 10% of the sampled sheep. In addition, circumstance of screw worm out break and the recent of FMD out break, impose further threat to live stock in the country . In addition, cases of endo parasites, congo fever and echinococcus, have been registered.
The drought situation is anticipated to have drastic effect in livestock animal production. The shortage voluminous forage and concentrate will lead to weaken the animals and expose them more vulnerable to the disease. Under the current prevailing situation, the veterinary authority is not in a position to consider major epidemic disease eradication measures. However, to carry out efficient disease control measures during the outbreak, additional financial resources beyond the MOU funds are needed. In the prevailing sanctions situation, any long-term strategy and development activities are not be possible.

56.2 The plan aims to make maximum use of the limited available resources, supplementing them in key areas selected on a priority basis, with the overall objective of commencing a programme to redress the present serious situation.

56.3 The proposed rehabilitation of the cold chain facilities comprises provision of spare parts and refrigerators as well as the acquisition of emergency electrical generators to protect the facilities during the frequent and widespread electrical power cuts, which the country is presently facing. These will be installed in the veterinary hospitals and clinics throughout the 15 Governorates. In addition, 15 one tonne refrigerated trucks will be acquired for transport of the vaccines (see Annex AGRI-4).

56.4. The plan also includes the provision of 7 of 15 ton tankers and mobile dip with trailer for increasing the activity of external parasite equipment in the 15 governorates .

56.5. The plan also considered the provision of priority supplies for animal health. This includes vaccines, veterinary drugs and supplies, together with application equipment (see Annex AGRI.4 A,B,C,D).
Particular attention has been focused on the need for surveillance and control of epidemic diseases. Livestock production in Iraq is normally undertaken according to traditional methods carried out by nomadic groups and characterised by considerable transhuman movements. Such practices result in scattering the livestock population throughout the country, which in turn, obliged the mobilisation of veterinary service teams. It is only through such methodology, any control or eradication can be achieved.

The plan thus includes the acquisition of mobile veterinary, clinical and

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field vehicles for transport of the teams involved in the control operations as well as needed chemicals.(see Annex AGRI. 1 and 4).

56.6. The plan includes basic equipment needed to improve the diagnostic capabilities at the various veterinary centers (see Annex AGRI-4).

57. During the 1970s and 1980s, the government focused intense efforts on building up a poultry industry designed to respond to the nutritional needs of the country. This programme included the establishment of a number of different sizes of modern poultry farms for the production of both table eggs and broiler meat. In addition, stock farms, hatcheries and poultry slaughter houses were established. The programme included economic incentives and fostered the establishment of efficient means for the provision of poultry health services. Regular supplies of the necessary production inputs were organised and by 1989, a total of some 8,000 poultry farms were operational. Production at that time was estimated at 1,700 million table eggs and 250,000 tons of poultry meat.

57.1 The Government of Iraq is very much concerned of the nutritional status of the Iraqi population, in particular, the lack of animal protein in the SCR 986 food basket. For this reason, it is in favour of a plan which would allow enhancement of domestic production of animal protein, especially the reactivation of the poultry industry.

The broiler and table egg reactivation programme under the enhanced phase-V is continuing . The initial impact of the project is already visible with a marked reduction of market prices of poultry products in the country and also stabilisation of red meat market prices. The MOA poultry revival programme managed to rehabilitate 1300 broiler poultry farms out of the 2360 farms identified as suitable for rehabilitation in a short time with reasonable resources. The inputs allocated under this Distribution Plan will further sustain the programe achievements and are essential to maintain the planned level of production.

57.2 This plan will address the major components of poultry production through two parallel activities. The first of these will focus on addressing the rehabilitation needs of those farms which most easily and quickly could be brought back into production. The second will provide the basic production inputs for both table egg and broiler production (see Annex AGRI-5 A,B and C).
The overall objectives include a monthly production of 40 million table eggs and 3,000 to 4,000 metric tonnes of broiler meat .
Poultry production requires housing with a controlled environment in order to allow optimum production levels, whilst reducing the risk of high mortality rates

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due to air borne diseases. The rehabilitation of a further 1,500 farms is envisaged, including the provision of emergency electrical power supplies.

57.3 The broiler production cycle is short and requires the regular supply of day old broiler chicks. In addition to the locally produced one day old chicks, importation of 13 million broiler hatching eggs is needed to meet the programme requirements. The plan addressed the shortage of layer hatching eggs and proposes to import 20500 one day old grand parent laying chicks in series of consignments. The intervention is aiming at supplying the poultry parent stock farms with needed one day parent chicks required for production of layer hatching eggs (AGRI –5A). Poultry production requires a supply of balanced rations containing both high quality proteins and micro-nutrients. The bulk of the energrequirements will be met through the use of domestically produced maize, barley, sorghum and other grains. The protein and micro-nutrient requirements for both layers and broilerswill be met through imports of Soya bean-meal and poultry concentrate. (AGRI-5A)
The Plan also indicates the need to import equipment for farm transport and for the packing of final products. (annex AGRI –5A).

58. The plan also considers maintaining and whatever possible enhancing livestock productivity and production, approximately 85% of the cattle population within the country are indigenous breeds with milk production levels ranging from 200 to 1,500 kg per lactation. Since the imposition of sanctions, attempts to improve breeding of the stock through artificial insemination have been virtually paralyzed. There is an urgent need to reactivate the breeding programme, particularly in view of the prevailing economic and food security situation.
To these ends, the plan includes importation of 20 progeny tested bulls and the acquisition of basic artificial insemination equipment.(see annex AGRI-4 F)
In an attempt to enhance animal protein availability, revival of fish production is considered in this plan. The country has great potential for fish production and considerable investment in this sub-sector, had been made for its development.
Similar to the situation in other sub-sectors, fishery sub-sector has also suffered immensely, and the full exploitation of the available potential is constrained by the lack of resources.
The plan addressed the fishery sub-sector requirement through the provision of equipment needed for fish finger productivity, parent fish stock, needed spare parts to rehabilitate the existing equipment, rehabilitation requirement of fish hatcheries and needed fishing equipment. (see annex AGRI-4 E)
In line with the above and in an attempt to maximize milk production , the plan included the provision of spare parts for milking machine , portable milking units and milk containers to be distributed to dairy stations and to small and medium

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dairy farms (see Annex AGRI. 4 G)

58.1 In the three northern governorates of Iraq, during the 1998/1999 agricultural season drought highlights the risks to agriculture, livestock and human beings. The trail left by the drought includes failure of barley and wheat crops, shortage of hydro-electric power, and scarcity of drinking water for people and animals. The distribution plan for phase VI will complement the drought intervention measures earmarked under the DP-V second trench allocations as well as address the high priority areas, which includes environmental degradation, nutritional insufficiency, institutional strengthening of the revival of the agricultural, veterinary and irrigation (surface and ground water) infrastructures. The provision of high priority project inputs for crop and animal production, protection and health, to sustain the level of achievements, are also being addressed.
Agricultural distribution also focuses on measures to complete and sustain the rehabilitation works undertaken in the previous phases. The planned food processing industries, will support the processing of farmer's crops and dairy products, recycle slaughter animals' by products and process them into animal feed as well as create employment opportunities for hundreds of the farming communities in the region.

IRRIGATION SUB SECTOR

Rainfall in Iraq was extremely low and erratic during the 1998/1999 agricultural season. As a result, both rain-fed and irrigated crops were severely affected.
Lack of essential irrigation water schedules due to low water levels in rivers and reservoirs seriously affected the irrigated crops. The Distribution Plan details immediate intervention measures required for the maintenance and rehabilitation of the existing water resources infrastructures, to arrest the deteriorating situation and the adverse effects of drought on human, crops and livestock. A speedy approval from the UN Sanctions Committee for the distribution plan inputs will enable early intervention to alleviate the disastrous trails left by the drought on human, crop and livestock.

59. Pumping Stations: The water pumping stations play a key role in the irrigation systems which have been established in many parts of Iraq. These not only provide the irrigation water to the fields but also, drain part of it out again. Unfortunately, the vast majority of these stations are suffering from frequent breakdowns as the equipment exceeds the end of its useful life. There is also an acute shortage of necessary spare parts for maintenance and repair. In many of these cases,

rehabilitation will prove uneconomic and indeed, will often also not prove to be technically feasible.
The plan therefore proposes that a number of the pumps should be replaced whilst others will be rehabilitated through provision of spare parts. The proposed inputs are presented in the Annex AGRI-6.
The overall objective of this intervention to provide services for approximately 750,000 hectares of land which at present, are suffering from a severe lack of pumping capacity and efficiency.

59.1 Maintenance of Irrigation Projects: Whilst the establishment of irrigation projects requires a very high level of investment, it will be a waste if those projects are not adequately maintained. Many of the soils in Iraq are alluvial and are exposed to erosion. This causes high rates of sedimentation in the rivers, which could adversely affect water supply for irrigation purposes.
In order to maintain these resources, the rivers and water channels require continuous dredging. Equipment and sprinkler irrigation systems for maintaining the high efficiency of the irrigation projects need either to be replaced or to be repaired. The annex AGRI-7 indicates the immediate requirements, which have been identified for inclusion in the present plan.

59.2 Surveys and monitoring of water storage structures: The main infrastructure for water storage and control consists of dams and barrages. These not only store the water prior to its distribution but also constitute a vital component of the flood control measures. As part of the maintenance procedure for such structures, periodic monitoring surveys must be undertaken. In addition, the Saddam Dam on the upper Tigris above Mosul requires grouting for its foundations.
The inputs required in this regard are presented in the annex AGRI-8.

59.3 In vast areas, ground water resources represent the only source of irrigation and drinking water. Governorates which currently suffer from water shortages include Kerballa, Najaf, Anbar, Tamem, Diyala, Salah Al-Deen and Basrah.

The inputs consisting of equipment and spare parts which are required for restoring the ground water supply are listed in the annex AGRI-9.

59.4 Water and Soil Analysis: Deterioration of water quality and agricultural soils throughout the country necessitates continuous monitoring by the Ministry of Irrigation. These activities need well equipped laboratory facilities. To enable the Ministry to carry out these activities, necessary laboratory instruments and supplies have been included in the plan (annex-AGRI-10).

60. In the three northern governorates of Dohuk, Erbil and Suleimaniyah, the sector has suffered drastic deterioration as a result of the sanctions. Crop yield remained very low due to , (a) poor land preparation which resulted from obsolete machinery and non-availability of spare parts, (b) increased insect/pest/weed infestations arising from lack of basic agrochemicals, (c) deteriorated soil quality and fertility, (d) destruction of most irrigation infrastructure and service, (e) inadequate training both at farmer and extension worker's levels, and, (f) virtual non-existence of agricultural support services. The livestock sub-sector has suffered considerably as a result of acute shortage of basic inputs and lack of effective veterinary services. Epidemic and zoonotic diseases have re-emerged. The poultry industry, which earlier played a significant role in self-sufficiency in poultry products as well as supplementing the traditional diet, has virtually collapsed due to destruction and shortages of required basic inputs. Deforestation has resulted in soil and environmental degradation in the region. The current Plan intends to address some of these priority requirements.
The implementation of the proposed plan allocated US$ 99 million for agriculture, US $ 123 million for irrigation for the 15 Governorates and US$ 52 million for the three northern Governorates (Dohuk, Erbil and Suleimaniya).

61. In accordance with paragraph 40 of the MOU, the Government of Iraq shall provide the Programme with detailed information about the_delivery of supplies and equipment to their locations. In order to facilitate the observations of their use, the Programme will conduct the tasks provided for in paragraph

PART SIX

PLAN OF PURCHASE OF MATERIALS AND REQUIREMENTS FOR EDUCATION SECTOR

62. Primary, secondary and higher education in Iraq have been effected by the severe shortage of basic teaching materials, school furniture, books, stationery, printing requirements, training laboratories and other basic requirements. The magnitude of the needs of the education sector can be seen in light of the total number of students and pupils which is 4.8 million. The damages of the classrooms of about 4.157 thousands school remained non-repaired. Most of these classrooms are without doors or windows. In some schools, the classroom, which usually holds 30 students, enrolls 70 students. A large number of schools still lacks potable water and sanitation. This sector needs an urgent rehabilitation as indicated by the reports of UN agencies and the report of the UN Secretary-General of 18 May 1999 (S/1999/573).

63. The current situation has led to the decrease in school enrollment and to a considerable increase in the rate of school dropouts, particularly in the primary and secondary stages. The quality of teaching has been effected by the lack of basic educational means and materials. Thus, the general, basic and u gent requirements of the educational sector throughout Iraq are estimaιed at large amounts, only US$ 127 million allocated for this sector, of which US$ 57 million have been allocated in the plan for the basic educational requirements up to the secondary stage, and US$ 42 million for higher education as contained in Annex1-2/education.

64. The basic educational infrastructures in the three northern governorates have been hugely damaged and suffered from severe shortage of basic educational materials, including books. The plan allocates US$ 28 million to address the current need for rehabilitating the damaged schools, furniture as well as training the personnel. Of the proposed allocation, US$ 8 million will be directed towards primary education, US$ 6 million for secondary education. There will be an emphasis on the procurement of essential school supplies and equipment, and the development of training materials and rehabilitation of schools will also be a priority. In addition, US$ 14 million will be directed towareds higher education, where again the emphasis will be on the procurement of supplies and equipment, including reference books and journals, library supplies, basic office and

furniture items, and specialised equipment for technical and vocational

training. Emphsis should be given to ensuring equal access to primary special education for children with disabilities and strengthening the capacities and service providers.

PART SEVEN

Infrastructure support for Food, Nutrition , Agriculture and Health sector Transport and Tele Communications Plan of Purchase of Materials and Requirements FOR TELECOMMUNICATIONS AND TRANSPORTATION/BANKING REQUIREMENTS

65. The present state of telecommunication And Transportation systems throughout Iraq is extremely poor. Apart from the wider social considerations, there are negative consequences for the efficient procurement and distribution of humanitarian supplies. The difficulty experienced by the Ministries involved in implementing the MOU when communicating with their suppliers has contributed to delays in ensuring timely submission of applications and subsequently in the delivery of supplies to Iraq. In the health sector, poor communications between warehouses and hospitals have contributed to delays in the collection of supplies by health facilities. The absence of adequate data links have also hindered the timely passing on of accurate information on requirements. In regard to the electricity sector, this has affected the coordination of operation between the source, the transmission stations and substations. In order to ensure a more effective implementation of the distribution plan and enhance utilization of commodities imported, communications equipment is required.

66. A provisional allocation of up to US$ 120 million is envisaged for this sector of that US$ 19.6 million is allocated to the three northern governerates. Annex 1.2 (communication and transportation infrastructure support) gives one option for the establishment of a network, which would be available to all Ministries and facilities involved in procurement and distribution of goods supplied through the MOU. A range of technical options is still under consideration to ensure that the resources allocated to communications improvements in all relevant sectors, will provide the most effective logistical support.

66.1. TELECOMMUNICATIONS REHABILITATION
The telecommunication sector is considered as the infrastructure to Iraq's infrastructure. It has a vital role to play in the improvement of food distribution, medicine, water and sanitation, electricity, and the rest of the humanitarian programme sectors. Before 1991 the telephone density in the

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country was 5.6 telephones per 100 inhabitants. In 1999 this density has decreased to 3.3 due to damaged exchanges, shortage of spares and increase in the population. World telephone density average is 10%.

66.1.1. The present state of telecommunication systems throughout Iraq is extremely poor. Apart from the wider social considerations, there are negative consequences for the efficient procurement and distribution of humanitarian supplies. The difficulties experienced by the Ministries involved in implementing the MOU when communicating with their suppliers have contributed to delays in ensuring timely submission of applications and subsequently in the delivery of supplies to Iraq. In the health sector, poor communications between warehouses and hospitals have contributed to delays in the collection of supplies by health facilities. The absence of adequate data links has also hindered the timely passing on of accurate information on requirements. With regard to the electricity sector, this has affected the co-ordination of operation between the source, the transmission stations and substations.

66.1.2. A recent UN mission (August 1998) to Iraq by experts delegated from the International Telecommunication Union (ITU) has concluded that the entire telecommunication infrastructure is deteriorating to such an extent that the quality of service is beyond comprehension. The rate of unsuccessful calls has risen dramatically in recent years and the quality of transmission channels is so bad that it constitutes a major problem for even the transmission of faxes. At present, the transfer of computer files, (data transfer), is almost impossible via the public telephone network and this affects directly UN observation activities and reporting. The mission, further, concluded that the rehabilitation and modernization of the telecommunication network is a huge development project. It would require an investment of US$ 1 billion or more and its implementation could take between 7 and 10 years. This of course falls outside the SCR 986 program.

66.1.3. In order to ensure a more effective implementation of a distribution plan and enhanced utilization of commodities imported, communication equipment is required. The requirements presented in the current distribution plan are those identified by ITU mission referred to in item 4 below and has the following objective:
Replacement of damaged or obsolete equipment and introduction of some new equipment that will improve communications in areas of activities of the humanitarian program in Baghdad and other few selected areas. This will directly have positive impact on the improvement of the procurement and

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distribution system of humanitarian supplies

66.1.4. The plan addresses a few specific projects in Baghdad where most of the humanitarian programme activities are taking place and about 20% of the Iraqi population live. Further, it addresses the microwave / optical fiber links between Baghdad and Mousul, Kerkuk , Baquba, Ramadi and Trebil; including outside plant cables & accessories . These are:

First, replacement of seven old crossbar exchanges in Baghdad (Dauodi,Baya,Dora,Jadiriya,Zafaraniya, Sab-Abkar and Central). These exchanges provide telecommunication services to 132 Hospitals, 1500 Primary Health Care Centers, 52 Private Hospitals and all the pharmacies.

Second, replacement of five old crossbar exchanges in (Basrah, Amarah, Ramadi, Baquba and Mousul).

Third, replacement of damaged digital exchanges in Baghdad, (Salihiya and 14th July); and Wasit, (Kut).

Fourth, replacement of analogue microwave links between Baghdad and Mousul with digital links . These microwave links will serve six governorates whose total population is more than (10) million and provide reliable and easy communications between Baghdad and the concerned governorates. This is extremely important for efficient co-ordination and management in the process of the supply and distribution of food and medicine. Some of the direct beneficiaries of this project are those involved in the humanitarian program in the area covered by it including all hospitals and health facilities, food distribution points which includes (10) ration centers, (261) ration branches, (33112) food agents and (10008) wheat flour agents.

Fifth, The cable networks in Baghdad and all other governorates are in a very bad condition. This means that many telephone lines are cross-connected due to contacts or induction effect between various lines in the cable. The provision of new cables and jointing material will improve the quality of service and reduce the mean time between failure of the telephone lines serving hosnitals and food distribution points.

Sixth, The construction of an optical fiber link from Baghdad to Trebil. This will provide an international link with Jordan and the Global (FLAG) system. All segments of the Iraqi society will benefit from the availability of low cost telephone calls. This will particularly benefit those Ministries involved in contracting under the MOU, as they will have greater access to potential suppliers and be better able to solve difficulties which arise during the supply process and to monitor the progress of deliveries against orders. Optical fiber offers a cheaper alternative to microwave as the installation /...

costs are less; there is a vastly reduced maintenance requirements; and the cost of using the system is less for all subscribers.

Seventh, There is a need to maintain the existing systems which is outside the projects approved by the MOU. The report of the recent UN expert mission identified a need to spend in excess of US $ 1 billion to rehabilitate the system. Budget allocation under phases five and six total approximately US $ 240 million of which no contract have been approved yet.

The "old" equipment requires ever increasing maintenance and, to meet this increasing demand, a number of maintenance vehicles are required. Additionally, the problems with the electricity sector adversely affect the telecommunication network. This is likely to be worse in the coming year because of the low water levels associated with the drought. Auxiliary generators are therefore required.

66.1.5. The installation of telecommunication projects requires high level of expertise. Before 1991, the staff of ITPC used to carry out all the installation of telecommunication equipment with minor supervision from the suppliers. The same staff was able to put the majority of the remaining systems, immediately after the war, into operation. The plan envisages the utmost use of local resources for the installation and commissioning of the projects, to minimize expenditures.

66.1.6. Whilst the establishment of telecommunication projects requires a very high level of investment, this all risks to be lost unless those projects are adequately maintained. In order to maintain these projects properly, planned on-job training is required. It goes without saying that the new equipment to be purchased is of new technical generation. This will require training in the manufacturer premises.

66.1.7. In accordance with paragraph 41 of the MOU, the Government of Iraq shall provide the Program with detailed information about the delivery of supplies and equipment to their locations in order to facilitate the monitoring of their use and to make sure of this. The Program will conduct the tasks provided for in paragraph 8 of annex-l of the MOU.

66.2. RAILWAYS REHABILITATION.

66.2.1The Iraqi Railways plays a great part in the transportation of food and agriculture products, beginning with the first stage of farming by providing fertilizers, seeds, etc. This kind of transportation from most of the cities in Iraq to different parts of the country requires special wagons and rolling /...

stock. Most of the transportation of food which arrived at Um-Qaser port under the MOU, especially grains and rice, are carried by railways to most cities of Iraq. The Iraqi Railways can not fulfil its obligations to distribute the required quantities of food due to the lack of spare parts for locomotives and wagons, which are needed for this huge transportation task. The number of operating locomotives has been reduced to 65, and the operating number of wagons reduced from 11000 to 1000, representing different kinds of wagons, because of this shortage of spare parts needed for major maintenance. The Iraqi Railways need 365 locomotives per day to be in a position to assure a minimum standard of transportation service. Moreover, the condition of the present railway track system, totaling about 2500 KM, is not in a state of repair which permits the acceptance of this number of locomotives and wagons, because of the non availability of spare parts and materials for maintenance of the tracks, including spare parts for track-maintenance machines. This situation affects the capacity and the safety of the rail transport system, and will only deteriorate further unless urgent measures are taken to halt the decline.

66.2.2. In accordance with paragraph 41 of the MOU, the Government of Iraq shall provide the Program with detailed information about the delivery of supplies and equipment to their locations in order to facilitate the monitoring of their use and to make sure of this. The Program will conduct the tasks provided for in paragraph 8 of annex-l of the MOU.

66.3. PORTS REHABILI TATION.

66.3.1. The port of Um-Qaser is the only port in Iraq authorized to receive commodities imported to Iraq against the MOU. Since 1991 the port facilities have not been maintained and consequently they have now degraded to an extent which is severely limiting the ability to handle humanitarian supplies. To prevent further degradation in the situation it is necessary to dredge the entry channels and repair the port facilities.

Dredging. Prior to 1991, the channel and wharf could accept vessels with a draught of 10.5 meters. Today that draught has been reduced to 8.5–9 meters, and as result larger vessels discharge in Jordan(Aqaba) and goods are transported by road to Iraq a distance of 1350 KM. This adds 4 to 5 days to the transit time and increase transport cost by $38-40 per metric tons. Dredging the channels and port will increase in the capacity of Um-Qaser will lead to an increase in the capacity and result in more vessels using the port. This will increase the rate of delivery of Humanitarian Supplies into Iraq and reduce the landed cost of goods by $38 - $ 40 per metric ton.

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Port Facilities. The state of port facilities has similarly degenerated Mechanical handling equipment is old and inefficient; safety equipment, including fire fighting equipment, is obsolete and unreliable; auxiliary power, essential to provide 24 hours operation and for safety and security, is non-existent. The availability of tugs and pilot vessels imposes delays on berthing and accordingly on the speed of discharging humanitarian supplies. The speed of discharging has a direct effect on the receipt and ultimate distribution of humanitarian supplies, as well as the total cost of commodities. Any improvement in this area will have a positive effect on the humanitarian program.

67. The Plan allocates US$ 10 million to meet the necessary and urgent needs for Banking requirements. Annex-3 Banking (infrastructure support).

68. In accordance with paragraph 41 of the MOU, the Government of Iraq shall provide the Program with detailed information about the delivery of supplies and equipment to their locations, in order to facilitate the monitoring of their use. The Program will conduct the tasks provided for in paragraph 8 of Annex-1 of the MOU.

PART EIGHT

PLAN OF PURCHASE OF MATERIALS AND REQUIREMENTS FOR OIL SECTOR

69- The large increase in oil exports required to implement the provisions of the enhanced distribution plan requires a large component of spare parts and infrastructure equipment, to achieve and sustain increased production and export. Since the implementation of the MOU very minor amount of equipment and spare parts have been provided to prevent further deterioration in oil production, processing, storage and transportation. The Secretary – General's letter to the Security Council, dated 15 April 1998, noted in particular that, "a sharp increase in production without concurrent expenditure on spares and equipment would severely damage oil – containing rocks and pipeline systems, and would be against accepted principles of " good oil field husbandry".

To sustain the crude oil production level that was achieved during Phase IV of the MOU, as well as to implement the necessary work and complementary projects to increase the production and export capacity of crude oil with special emphasis on completing and utilizing the idle investment available in the present infrastructure (especially already drilled oil wells), and to overcome deficiencies in surface equipment's and systems, with the aim of increasing the oil revenues during Phase VI close to US$ 5.2 billion. A substantial increase of funds than that set by para (8) of UNSCR (1242) is required for the oil sector to achieve these aims.

70- In regard to downstream requirements, the provision of various oil products for local consumption meets a range of essential humanitarian requirements, including heating, cooking, transportation and electricity production. Hence, it is essential to sustain the safe operations of the existing refineries with acceptable standards of efficiency, safety and environmental effects, as well as to continue the rehabilitation and improvement of the oil products production and distribution systems, and to overcome severe and chronic shortages in essential items, such as LPG cylinders, which have been utilized years beyond their safe working life and consequently users have suffered many unnecessary burns and accidents. Similarly, fuel station and other related facilities should be operated within appropriate safety margins. Hence, provision has to be made for the supply of urgently required equipment, to achieve the above aims.

71- Accordingly, an allocation of US $600 million will be made for the supply of spare parts, materials and equipments, and to cover the cost of service contracts that are considered necessary for covering the most essential and urgent needs of the oil sector, and to enable it to implement the necessary works and complementary projects mentioned above. US$ 430 million will be for the upstream, and US$ 170 million for the downstream requirements. An annex (coded 8 – 06) giving details of the oil sector requirements will be submitted separately by the Secretary-General, after consultations between his authorized representatives and the Iraqi Ministry of Oil, as specified by para (9) of UNSCR (1242).

72- In accordance with paragraph 41 of the MOU, the Government of Iraq shall provide detailed and timely information about the delivery of supplies of equipment to their locations, in order to facilitate and ensure observation of their use.
